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**ENGINE CYLINDER DEACTIVATION TEST APPARATUS
AND METHOD FOR USING**

ABSTRACT OF THE DISCLOSURE

An apparatus is provided for testing functionality of an engine cylinder deactivation control and system having a plurality of solenoid-operated valves for controlling hydraulic actuation of switching valve lifters.

- 5 The apparatus includes a portable test box enclosing an electrical circuit connectable to the deactivation control. Also included are a ground lead for connection to the control ground, a solenoid lead for each cylinder and connectable to the solenoids of their respective cylinders, and external taps on the exterior of the box and connected one with each of the ground lead and the solenoid leads. Exemplary methods are disclosed for using the box to test for grounds and circuit resistance as well as proper operation of the system in a running engine.
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